Translation



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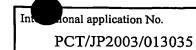
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 151WOa-1	FOR FURTHER ACTION	See Form PCT/IPEA/416		
International application No.	International filing date (day/mon	th/year) Priority date (day/month/year)		
PCT/JP2003/013035	10 October 2003 (10.10.2	2003) 15 October 2002 (15.10.2002)		
International Patent Classification (IPC) or n A61B 5/044, G01R 13/00	ational classification and IPC			
Applicant DAI	NIPPON PHARMACEUTIC	AL CO., LTD.		
This report is the international preli Authority under Article 35 and tran	minary examination report, establis smitted to the applicant according t	ned by this International Preliminary Examining o Article 36.		
 This REPORT consists of a total of This report is also accompanied by 	· · · · · · · · · · · · · · · · · · ·	his cover sheet.		
<u></u>	ANNEACS, comprising: I to the International Bureau) a tota	of sheets, as follows:		
a. [] (sent to the applicant and	i io ine iniernational bareau, a colo	Sheets, as tonovis.		
sheets of the desc and/or sheets cor Administrative Is	taining rectifications authorized by	ich have been amended and are the basis of this report this Authority (see Rule 70.16 and Section 607 of the		
sheets which sup beyond the discl Supplemental Bo	osure in the international application	s Authority considers contain an amendment that goes n as filed, as indicated in item 4 of Box No. I and the		
b. (sent to the Internation	nal Bureau only) a total of (in the containing a sequential distance of the containing and in the Supplemental Box	ndicate type and number of electronic carrier(s)) nence listing and/or tables related thereto, in computer Relating to Sequence Listing (see Section 802 of the		
4. This report contains indications rel	ating to the following items:			
Box No. I Basis of the report				
Box No. II Priority				
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain documents cited				
Box No. VII Certain defec	Box No. VII Certain defects in the international application			
Box No. VIII Certain obse	rvations on the international applica	tion		
Date of submission of the demand	Date of c	ompletion of this report		
08 January 2004 (08.0	1.2004)	17 May 2004 (17.05.2004)		
Name and mailing address of the IPEA/JP	Authoriz	ed officer		
Facsimile No.		ne No.		

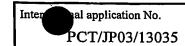




Box No.	I B	asis of the report
1. With a	regard to	o the language, this report is based on the international application in the language in which it was filed, unless licated under this item.
		eport is based on translations from the original language into the following language, is language of a translation furnished for the purpose of:
i	i	nternational search (under Rules 12.3 and 23.1(b))
	F	publication of the international application (under Rule 12.4)
	i	nternational preliminary examination (under Rules 55.2 and/or 55.3)
furnis.	hed to t re not a	to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" innexed to this report): ternational application as originally filed/furnished
		cription:
	pages	, as originally filed/furnished
	pages*	received by this Authority on
1	pages*	received by this Authority on
	the clai	ims:
	pages	, as originally filed/furnished
	pages*	, as amended (together with any statement) under Article 19
1	pages*	
	pages*	received by this Authority on
	the dra	wings:
	pages	, as originally filed/furnished
1	pages*	
	pages*	received by this Authority on
	a seque	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.	The an	nendments have resulted in the cancellation of:
	\Box .	the description, pages
	二	the claims. Nos.
	=	the drawings, sheets/figs
	=	
	=	the sequence listing (specify):
	LJ ⁸	any table(s) related to sequence listing (specify):
4.	made, (Rule 7	eport has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 70.2(c)). The description, pages
		any table(s) related to sequence listing (specify):
-	-	
* If iten	n 4 appi	lies, some or all of those sheets may be marked "superseded."

Box No. I	II Non-establishment of opinion v	vith regard to novelty, inventive step and industrial applicability
	tions whether the claimed invention as	ppears to be novel, to involve an inventive step (to be non obvious), or to be industrially of:
	the entire international application.	
\boxtimes	claims Nos. 23, 28	3,30
becaus	se:	
	the said international application, or relates to the following subject matt	the said claim No. 23 er which does not require an international preliminary examination (specify):
It	is equivalent to a mere prese	entation of information.
	•	
		•
	the description, claims or drawings are so unclear that no meaningful o	(indicate particular elements below) or said claims Nospinion could be formed (specify):
		\cdot
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	the claims, or said claims Nos	are so inadequately supported
	by the description that no meaning	ful opinion could be formed.
	no international search report has b	een established for said claims Nos. 23, 28, 30
	the nucleotide and/or amino acid so Administrative Instructions in that	equence listing does not comply with the standard provided for in Annex C of the
İ	the written form	has not been furnished
		does not comply with the standard
	the computer readable form	has not been furnished
		does not comply with the standard
	the tables related to the nucleotide the technical requirements provide	and/or amino acid sequence listing, if in computer readable form only, do not comply with d for in Annex C-bis of the Administrative Instructions.
	see Supplemental Box for further of	letails.

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

Novelty (N)	Claims	3-6, 20, 27	YE
	Claims	1, 2, 7-19, 21, 22, 24-26, 29	NC
Inventive step (IS)	Claim	6	YE
	Claims	1-5, 7-22, 24-27, 29	NC
Industrial applicability (IA)	Claims	1-22, 24-27, 29	. YE
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP, 5-154118, A (SHARP CORPORATION), June 22, 1993 (06.22. 93), Full text, all drawings (Family: none)

Document 2: JP, 61-41437, A (OMRON TATEISI ELECTRONICS CO.), February 27, 1986 (02.27. 86), Full text, all drawings (Family: none)

Claims 1-5, 7-19, 21, 22, 24-27, 29

Document 1 describes a portable electrocardiograph and control method therefor, wherein the method calculates the heartbeat after detection of the R wave center point of the event waveform that is electrocardiogram data, decides whether or not the event waveform deviates from the predetermined waveform display region, and the amplitude and baseline of the event waveform to be displayed when deviation is decided to have occurred are corrected so that the displayed waveform is accommodated in the waveform display region and then the waveform is displayed; this correction is performed by CPU control that calculates the wave height value Vp-p of the event waveform from one screen's worth of electrocardiograph data and decides whether or not the wave height value Vp-p is smaller than the height H of the event waveform display region, and if $Vp-p \le H$ it leaves it as is, and if Vp-p > H the wave height value of one screen's worth of electrocardiograph data is reduced to 1/2, and then the baseline is shifted so that the center level of the wave height value Vp-p corresponds to the center value of the event waveform display region.

The inventions of claims 1, 2, 7-19, 21, 22, 24-26, and 29 form part of the portable electrocardiograph and control method therefore described in document 1; therefore, they do not appear to be novel and involve an inventive step.

Also, constituting a device with a computer and performing predetermined data processing using a plurality of storage regions when performing data processing is well-known and commonly practiced art; therefore, the inventions of claims 3-5 and 27 could be easily conceived by a person skilled in the art based on document 1.

Claim 6

Not correcting the graph display position of data in the output region when no determination is made of target cycle is not described in document 1 or 2; nor is this obvious to a person skilled in the art.

Claim 20

Document 2 describes displaying a mark on a QRS top location of an electrocardiograph waveform; therefore, employing this mark display technique in what is described in document 1 could be easily conceived by a person skilled in the art.